



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48371

Site: Pierson's Creek

Number of Samples: 4 (Surface Water)

Analysis: SVOA, PEST, ARO

SDG No.: BFHX6

Laboratory: Shealy Environmental Services, Inc.

Sampling dates: 9/5/2019

Validation SOP: HW 35A (Rev 1), HW-36A (Rev 1),
HW-37A (Rev 0)

QAPP:

Contractor: CDM Smith

Reference: DCN:3323-060-03778, February 2019

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions.

Data have been qualified "R" rejected.

Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.

Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:

None.

Major Findings:

The following samples have analytes that have been qualified "J", "J+" or "J-".

SVOA: BFHX6, BFHX7, BFHX8 and BFHX9

PEST: BFHX6, BFHX7 and BFHX9

Minor Findings:

One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS: One or more detect and non-detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Reginald St-Juste/ Dorina Christina Alliu

Approver's Signature:

Date: 11/14/2019

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS



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Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL).	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J-	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	



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DATA ASSESSMENT

ANALYSIS: SVOA

The current SOP HW-35A (Revision 1) September 2016, USEPA Region II for the evaluation of Semi-Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data has been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for BNA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded, qualifications will be applied as per SOP HW-35A (Rev 1).

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMCs):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of SOP HW-35A (Revision 1), qualifications were applied as per Table 7 of SOP HW-35A (Revision 1) to all the samples and analytes as shown below.

The following samples have DMC/surrogate less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1,4-Dioxane-d8 BFHX6, BFHX7, BFHX8 and BFHX9
1,4-Dioxane

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATES (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks



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measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-35A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Not applicable

C) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for BNA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for Semi-volatiles is Decafluorotriphenyl-phosphine (DFTPP). If the mass calibration is in error, all associated data will be classified as unusable "R".

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 35A (Rev 1). If RRF is less than minimum RRF as specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares



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the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 35A (Rev 1) for all target analytes. For the ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 35A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an initial calibration percent relative standard deviation (%RSD) outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

Hexachlorobenzene BFHX6, BFHX7, BFHX8 and BFHX9

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 10 of SOP HW 35A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 10 of SOP HW 35A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 10 of SOP HW 35A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

The pair of sample duplicate was not identified in this SDG.

9. COMPOUND IDENTIFICATION:

Semi-Volatile Fractions:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within 0.06 RRT units of the standard compound and have ion spectra which have a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion



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spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRactions and REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: PEST

The current SOP HW-36A (Revision 1) October 2016, USEPA Region II for the evaluation of Pesticides data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured



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surrogate recovery were outside Table 7 of the SOP HW-36A (Revision 1), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

The following samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

alpha-BHC BFHX6MSD

Heptachlor epoxide BFHX6, BFHX6MS, BFHX6MSD, BFHX7, BFHX9

4,4'-DDE BFHX6, BFHX6MS, BFHX6MSD, BFHX7, BFHX8

Endosulfan II BFHX6, BFHX6MS, BFHX6MSD, BFHX9

4,4'-DDD BFHX6, BFHX6MS, BFHX6MSD, BFHX9

Methoxychlor BFHX6, BFHX6MS, BFHX7, BFHX8, BFHX9

Endrin aldehyde BFHX6, BFHX6MS, BFHX6MSD, BFHX9



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B) Field or rinse blank contamination:

Not applicable.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

For the PESTICIDE fraction, if %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP and surrogate in the PEM used for CCV must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference (%D) between the calibration Factor (CF) for each of the SCP and surrogate in the Calibration Verification Standard (CS3) and the mean calibration factor from the initial calibration must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference not within limits, detected associated compounds are qualified "J" and non-detected associated compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

The pair of sample duplicate was not identified in this SDG.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
> 50% (pesticide value < CRQL, value raised to CRQL)	U
> 200%	R

The following samples were qualified for % difference on the two columns.



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BFHX6MS, BFHX6MSD, BFHX6, BFHX7, BFHX8, BFHX9

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRactions & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO

The current SOP HW-37A (Revision 0) June 2015, USEPA Region II for the evaluation of ARO data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Revision 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.



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3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination:

Not applicable.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

For the ARO fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):



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For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

The pair of sample duplicate was not identified in this SDG.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
> 50% (ARO value < CRQL, value raised to CRQL)	U
> 200%	R

The following sample was qualified for % difference on the two columns.

BFHX8MSD

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: ABLK01	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: ALCS01	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.76	J	ug/L	0.76	J	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.84	J	ug/L	0.84	J	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX6	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: T5-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX6	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: T5-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
beta-BHC	Target	0.051	U	ug/L	0.011	JP	1.0	YES	S3VEM
delta-BHC	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Heptachlor	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Aldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.051	UJ	ug/L	0.0031	JPB	1.0	YES	S3VEM
Endosulfan I	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Dieldrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	UJ	ug/L	0.0048	JPB	1.0	YES	S3VEM
Endrin	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.0031	JPB	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.0088	JPB	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.51	U	ug/L	0.019	JB	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.10	U	ug/L	0.023	JB	1.0	YES	S3VEM
cis-Chlordane	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.051	U	ug/L	0.0023	JP	1.0	YES	S3VEM
Toxaphene	Target	5.1	U	ug/L	5.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX6	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: T5-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	8.7	J-	ug/L	8.7		1.0	YES	S3VEM
Benzaldehyde	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Phenol	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Bis(2-Chloroethyl) ether	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
2-Chlorophenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2-Methylphenol	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
2,2'-Oxybis(1-chloropropane)	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Acetophenone	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
3-Methylphenol + 4-Methylphenol	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
N-Nitroso-di-n propylamine	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Hexachloroethane	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Nitrobenzene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Isophorone	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2-Nitrophenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
bis(2-Chloroethoxy)methane	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Naphthalene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
4-Chloroaniline	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Caprolactam	Target	1.9	J	ug/L	1.9	J	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Hexachlorocyclo-pentadiene	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
1,1'-Biphenyl	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2-Nitroaniline	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Dimethylphthalate	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Acenaphthylene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
3-Nitroaniline	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Acenaphthene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
4-Nitrophenol	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Dibenzofuran	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Diethylphthalate	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Fluorene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
4-Chlorophenyl-phenyl ether	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
4-Nitroaniline	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	9.7	UJ	ug/L	9.7	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Atrazine	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Pentachlorophenol	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Phenanthrene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Anthracene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Carbazole	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Di-n-butylphthalate	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Fluoranthene	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Pyrene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
3,3'-Dichlorobenzidine	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Chrysene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
bis(2-Ethylhexyl)phthalate	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Di-n-octylphthalate	Target	9.7	U	ug/L	9.7	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	4.9	U	ug/L	4.9	U	1.0	YES	S3VEM
Unknown-01	TIC	88	J	ug/L	88	J	1.0	YES	NV
Unknown-20	TIC	3.7	J	ug/L	3.7	J	1.0	YES	NV
Unknown-18	TIC	4.2	J	ug/L	4.2	J	1.0	YES	NV
Unknown-22	TIC	3.3	J	ug/L	3.3	J	1.0	YES	NV
Unknown-02	TIC	7.6	J	ug/L	7.6	J	1.0	YES	NV
Unknown-07	TIC	4.0	J	ug/L	4.0	J	1.0	YES	NV
Unknown-16	TIC	5.6	J	ug/L	5.6	J	1.0	YES	NV
cis-Vaccenic acid	TIC	9.9	NJ	ug/L	9.9	NJ	1.0	YES	NV
1H-Benzotriazole, 4-methyl-	TIC	5.1	NJ	ug/L	5.1	NJ	1.0	YES	NV
Unknown-03	TIC	5.1	J	ug/L	5.1	J	1.0	YES	NV
Unknown-05	TIC	3.2	J	ug/L	3.2	J	1.0	YES	NV
Unknown-11	TIC	3.9	J	ug/L	3.9	J	1.0	YES	NV
Unknown-13	TIC	3.5	J	ug/L	3.5	J	1.0	YES	NV
Unknown-21	TIC	3.8	J	ug/L	3.8	J	1.0	YES	NV
Unknown-23	TIC	3.6	J	ug/L	3.6	J	1.0	YES	NV
Unknown Alkane-01	TIC	3.3	J	ug/L	3.3	J	1.0	YES	NV
Unknown-04	TIC	3.5	J	ug/L	3.5	J	1.0	YES	NV
Unknown-06	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-17	TIC	5.3	J	ug/L	5.3	J	1.0	YES	NV
Unknown-08	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-09	TIC	3.9	J	ug/L	3.9	J	1.0	YES	NV
Octadecanoic acid	TIC	5.0	NJ	ug/L	5.0	NJ	1.0	YES	NV
Unknown-19	TIC	4.1	J	ug/L	4.1	J	1.0	YES	NV
Propanoic acid, 2-methyl-3-[4-t-butyl]ph	TIC	3.6	NJ	ug/L	3.6	NJ	1.0	YES	NV
Unknown-15	TIC	3.1	J	ug/L	3.1	J	1.0	YES	NV
Diethyltoluamide	TIC	5.7	NJ	ug/L	5.7	NJ	1.0	YES	NV
Unknown-10	TIC	4.2	J	ug/L	4.2	J	1.0	YES	NV
Unknown-12	TIC	5.4	J	ug/L	5.4	J	1.0	YES	NV
Unknown-14	TIC	3.2	J	ug/L	3.2	J	1.0	YES	NV
Caffeine	TIC	5.8	NJ	ug/L	5.8	NJ	1.0	YES	NV

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX6MS	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
beta-BHC	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
delta-BHC	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.35		ug/L	0.35	B	1.0	YES	S3VEM
Heptachlor	Spike	0.39		ug/L	0.39		1.0	YES	S3VEM
Aldrin	Spike	0.35		ug/L	0.35		1.0	YES	S3VEM
Heptachlor epoxide	Target	0.051	U	ug/L	0.0032	JPB	1.0	YES	S3VEM
Endosulfan I	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Dieldrin	Spike	0.80		ug/L	0.80	B	1.0	YES	S3VEM
4,4'-DDE	Target	0.10	U	ug/L	0.016	JB	1.0	YES	S3VEM
Endrin	Spike	0.84		ug/L	0.84	B	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.0062	JPB	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.015	JB	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
4,4'-DDT	Spike	0.80		ug/L	0.80		1.0	YES	S3VEM
Methoxychlor	Target	0.51	U	ug/L	0.015	JB	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.10	U	ug/L	0.0029	JPB	1.0	YES	S3VEM
cis-Chlordane	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Toxaphene	Target	5.1	U	ug/L	5.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX6MSD	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.0028	JB	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.0029	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.37		ug/L	0.37	B	1.0	YES	S3VEM
Heptachlor	Spike	0.42		ug/L	0.42		1.0	YES	S3VEM
Aldrin	Spike	0.36		ug/L	0.36		1.0	YES	S3VEM
Heptachlor epoxide	Target	0.050	U	ug/L	0.0042	JPB	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Spike	0.83		ug/L	0.83	B	1.0	YES	S3VEM
4,4'-DDE	Target	0.099	U	ug/L	0.017	JB	1.0	YES	S3VEM
Endrin	Spike	0.87		ug/L	0.87	B	1.0	YES	S3VEM
Endosulfan II	Target	0.099	U	ug/L	0.0071	JPB	1.0	YES	S3VEM
4,4'-DDD	Target	0.099	U	ug/L	0.015	JB	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.099	U	ug/L	0.099	U	1.0	YES	S3VEM
4,4'-DDT	Spike	0.81		ug/L	0.81		1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.099	U	ug/L	0.099	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.099	U	ug/L	0.0031	JPB	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.0024	JP	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX7	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: T7-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 11:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.95	U	ug/L	0.95	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX7	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: T7-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 11:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
beta-BHC	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
delta-BHC	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
Heptachlor	Target	0.0035	J	ug/L	0.0035	J	1.0	YES	S3VEM
Aldrin	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.048	U	ug/L	0.0026	JB	1.0	YES	S3VEM
Endosulfan I	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
Dieldrin	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.095	UJ	ug/L	0.0036	JPB	1.0	YES	S3VEM
Endrin	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
Endosulfan II	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
Methoxychlor	Target	0.48	U	ug/L	0.0044	JPB	1.0	YES	S3VEM
Endrin ketone	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.095	U	ug/L	0.095	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.048	U	ug/L	0.048	U	1.0	YES	S3VEM
Toxaphene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX7	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: T7-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 11:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	5.6	J-	ug/L	5.6		1.0	YES	S3VEM
Benzaldehyde	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Phenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Bis(2-Chloroethyl) ether	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
2-Chlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Methylphenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
2,2'-Oxybis(1-chloropropane)	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Acetophenone	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
3-Methylphenol + 4-Methylphenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
N-Nitroso-di-n propylamine	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Hexachloroethane	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Nitrobenzene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Isophorone	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Nitrophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
bis(2-Chloroethoxy)methane	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Naphthalene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Chloroaniline	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Caprolactam	Target	2.3	J	ug/L	2.3	J	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Hexachlorocyclo-pentadiene	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
1,1'-Biphenyl	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Nitroaniline	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Dimethylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Acenaphthylene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
3-Nitroaniline	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Acenaphthene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
4-Nitrophenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Dibenzofuran	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Diethylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Fluorene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Chlorophenyl-phenyl ether	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Nitroaniline	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	9.6	UJ	ug/L	9.6	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Atrazine	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Pentachlorophenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Phenanthrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Anthracene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Carbazole	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Fluoranthene	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Pyrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
3,3'-Dichlorobenzidine	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Chrysene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
bis(2-Ethylhexyl)phthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Di-n-octylphthalate	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Unknown-07	TIC	4.1	J	ug/L	4.1	J	1.0	YES	NV
Unknown-10	TIC	3.0	J	ug/L	3.0	J	1.0	YES	NV
Unknown-17	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-25	TIC	3.7	J	ug/L	3.7	J	1.0	YES	NV
Unknown-03	TIC	3.1	J	ug/L	3.1	J	1.0	YES	NV
Unknown-08	TIC	3.5	J	ug/L	3.5	J	1.0	YES	NV
6-Octadecenoic acid	TIC	11	NJ	ug/L	11	NJ	1.0	YES	NV
Unknown-15	TIC	3.2	J	ug/L	3.2	J	1.0	YES	NV
Caffeine	TIC	5.5	NJ	ug/L	5.5	NJ	1.0	YES	NV
n-Hexadecanoic acid	TIC	7.4	NJ	ug/L	7.4	NJ	1.0	YES	NV
Unknown-21	TIC	3.6	J	ug/L	3.6	J	1.0	YES	NV
Unknown-22	TIC	2.9	J	ug/L	2.9	J	1.0	YES	NV
Cholestan-3-ol	TIC	4.9	NJ	ug/L	4.9	NJ	1.0	YES	NV
Unknown-01	TIC	56	J	ug/L	56	J	1.0	YES	NV
Unknown-13	TIC	3.5	J	ug/L	3.5	J	1.0	YES	NV
Unknown-18	TIC	2.9	J	ug/L	2.9	J	1.0	YES	NV
Unknown-19	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-20	TIC	3.0	J	ug/L	3.0	J	1.0	YES	NV
Unknown-24	TIC	4.0	J	ug/L	4.0	J	1.0	YES	NV
Unknown-02	TIC	5.2	J	ug/L	5.2	J	1.0	YES	NV
Unknown-14	TIC	4.7	J	ug/L	4.7	J	1.0	YES	NV
Unknown-05	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-09	TIC	3.9	J	ug/L	3.9	J	1.0	YES	NV
Unknown-11	TIC	4.8	J	ug/L	4.8	J	1.0	YES	NV
Octadecanoic acid	TIC	7.2	NJ	ug/L	7.2	NJ	1.0	YES	NV
Unknown-16	TIC	3.1	J	ug/L	3.1	J	1.0	YES	NV
Unknown-23	TIC	2.9	J	ug/L	2.9	J	1.0	YES	NV
Unknown-04	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-06	TIC	3.0	J	ug/L	3.0	J	1.0	YES	NV
Unknown-12	TIC	5.5	J	ug/L	5.5	J	1.0	YES	NV

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX8	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: T9-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX8	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: T9-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
beta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
delta-BHC	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Aldrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan I	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.0029	JPB	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.53	U	ug/L	0.0050	JPB	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Toxaphene	Target	5.3	U	ug/L	5.3	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX8	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: T9-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	6.1	J-	ug/L	6.1		1.0	YES	S3VEM
Benzaldehyde	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Phenol	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Bis(2-Chloroethyl) ether	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
2,2'-Oxybis(1-chloropropane)	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Acetophenone	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
3-Methylphenol + 4-Methylphenol	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
N-Nitroso-di-n propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclo-pentadiene	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1'-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
4-Nitrophenol	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenyl ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	9.9	UJ	ug/L	9.9	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Pentachlorophenol	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3'-Dichlorobenzidine	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octylphthalate	Target	9.9	U	ug/L	9.9	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Unknown-02	TIC	2.6	J	ug/L	2.6	J	1.0	YES	NV
Oleic Acid	TIC	7.8	NJ	ug/L	7.8	NJ	1.0	YES	NV
n-Hexadecanoic acid	TIC	4.8	NJ	ug/L	4.8	NJ	1.0	YES	NV
Cholesterol	TIC	17	NJ	ug/L	17	NJ	1.0	YES	NV
Unknown-03	TIC	2.7	J	ug/L	2.7	J	1.0	YES	NV
Hexanoic acid, 3,5,5-trimethyl-	TIC	2.6	NJ	ug/L	2.6	NJ	1.0	YES	NV
Octadecanoic acid	TIC	2.6	NJ	ug/L	2.6	NJ	1.0	YES	NV
Diethyltoluamide	TIC	2.2	NJ	ug/L	2.2	NJ	1.0	YES	NV
Unknown-01	TIC	66	J	ug/L	66	J	1.0	YES	NV

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX8MS	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	3.4		ug/L	3.4		1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Spike	3.3		ug/L	3.3		1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX8MSD	Method: Aroclors	Matrix: Water	MA Number:
Sample Location:	pH: 7	Sample Date: 09/05/2019	Sample Time: 10:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	3.5		ug/L	3.5		1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Spike	3.0	J	ug/L	3.0	P	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX9	Method: Aroclors	Matrix: Water	MA Number:
Sample Location: T12-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 09:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1221	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1232	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1248	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1260	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1262	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM
Aroclor-1268	Target	1.1	U	ug/L	1.1	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX9	Method: Pesticides	Matrix: Water	MA Number:
Sample Location: T12-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 09:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
beta-BHC	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
delta-BHC	Target	0.0046	J	ug/L	0.0046	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Aldrin	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.054	U	ug/L	0.0024	JPB	1.0	YES	S3VEM
Endosulfan I	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Dieldrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endosulfan II	Target	0.11	U	ug/L	0.0026	JPB	1.0	YES	S3VEM
4,4'-DDD	Target	0.11	U	ug/L	0.0051	JPB	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Methoxychlor	Target	0.54	U	ug/L	0.0078	JPB	1.0	YES	S3VEM
Endrin ketone	Target	0.11	U	ug/L	0.11	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.11	U	ug/L	0.0085	JPB	1.0	YES	S3VEM
cis-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Toxaphene	Target	5.4	U	ug/L	5.4	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: BFHX9	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location: T12-SW-R1	pH: 7	Sample Date: 09/05/2019	Sample Time: 09:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	6.2	J-	ug/L	6.2		1.0	YES	S3VEM
Benzaldehyde	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Phenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Bis(2-Chloroethyl) ether	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
2-Chlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Methylphenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
2,2'-Oxybis(1-chloropropane)	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Acetophenone	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
3-Methylphenol + 4-Methylphenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
N-Nitroso-di-n propylamine	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Hexachloroethane	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Nitrobenzene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Isophorone	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Nitrophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
bis(2-Chloroethoxy)methane	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Naphthalene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Chloroaniline	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Caprolactam	Target	1.6	J	ug/L	1.6	J	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Hexachlorocyclo-pentadiene	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
1,1'-Biphenyl	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2-Nitroaniline	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Dimethylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Acenaphthylene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
3-Nitroaniline	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Acenaphthene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
4-Nitrophenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Dibenzofuran	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Diethylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Fluorene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Chlorophenyl-phenyl ether	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Nitroaniline	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	9.6	UJ	ug/L	9.6	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Atrazine	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Pentachlorophenol	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Phenanthrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Anthracene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Carbazole	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Fluoranthene	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Pyrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
3,3'-Dichlorobenzidine	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Chrysene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
bis(2-Ethylhexyl)phthalate	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Di-n-octylphthalate	Target	9.6	U	ug/L	9.6	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	4.8	U	ug/L	4.8	U	1.0	YES	S3VEM
1,1'-Bi-2-naphthol	TIC	3.0	NJ	ug/L	3.0	NJ	1.0	YES	NV
Unknown-02	TIC	5.5	J	ug/L	5.5	J	1.0	YES	NV
Unknown-04	TIC	4.2	J	ug/L	4.2	J	1.0	YES	NV
Unknown-09	TIC	4.0	J	ug/L	4.0	J	1.0	YES	NV
Unknown-11	TIC	3.8	J	ug/L	3.8	J	1.0	YES	NV
Unknown-15	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-25	TIC	2.7	J	ug/L	2.7	J	1.0	YES	NV
Unknown-22	TIC	2.6	J	ug/L	2.6	J	1.0	YES	NV
Unknown-08	TIC	3.6	J	ug/L	3.6	J	1.0	YES	NV
Unknown-17	TIC	3.9	J	ug/L	3.9	J	1.0	YES	NV
Unknown-24	TIC	4.0	J	ug/L	4.0	J	1.0	YES	NV
Unknown-03	TIC	4.2	J	ug/L	4.2	J	1.0	YES	NV
Unknown-05	TIC	3.2	J	ug/L	3.2	J	1.0	YES	NV
Unknown-07	TIC	2.9	J	ug/L	2.9	J	1.0	YES	NV
Caffeine	TIC	3.7	NJ	ug/L	3.7	NJ	1.0	YES	NV
Unknown-21	TIC	3.2	J	ug/L	3.2	J	1.0	YES	NV
Unknown-26	TIC	2.5	J	ug/L	2.5	J	1.0	YES	NV
Unknown-01	TIC	70	J	ug/L	70	J	1.0	YES	NV
Unknown-16	TIC	2.7	J	ug/L	2.7	J	1.0	YES	NV
Unknown-18	TIC	3.9	J	ug/L	3.9	J	1.0	YES	NV
Diethyltoluamide	TIC	4.8	NJ	ug/L	4.8	NJ	1.0	YES	NV
Unknown-14	TIC	3.4	J	ug/L	3.4	J	1.0	YES	NV
Unknown-23	TIC	2.5	J	ug/L	2.5	J	1.0	YES	NV
Unknown-12	TIC	3.7	J	ug/L	3.7	J	1.0	YES	NV
Unknown-06	TIC	4.2	J	ug/L	4.2	J	1.0	YES	NV
Unknown-20	TIC	3.5	J	ug/L	3.5	J	1.0	YES	NV
Unknown-19	TIC	2.9	J	ug/L	2.9	J	1.0	YES	NV
Unknown-27	TIC	2.7	J	ug/L	2.7	J	1.0	YES	NV
Unknown-10	TIC	3.1	J	ug/L	3.1	J	1.0	YES	NV
Unknown-13	TIC	2.9	J	ug/L	2.9	J	1.0	YES	NV

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: PBLK00	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.0036	J	ug/L	0.0036	JP	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.0025	J	ug/L	0.0025	J	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.0035	J	ug/L	0.0035	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Target	0.032	J	ug/L	0.032	J	1.0	YES	S3VEM
4,4'-DDE	Target	0.019	J	ug/L	0.019	J	1.0	YES	S3VEM
Endrin	Target	0.021	J	ug/L	0.021	JP	1.0	YES	S3VEM
Endosulfan II	Target	0.028	J	ug/L	0.028	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.0029	J	ug/L	0.0029	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.0024	J	ug/L	0.0024	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.0054	J	ug/L	0.0054	JP	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.013	J	ug/L	0.013	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: PLCS00	Method: Pesticides	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
beta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
delta-BHC	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.050	U	ug/L	0.030	JB	1.0	YES	S3VEM
Heptachlor	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Aldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.050	U	ug/L	0.032	JB	1.0	YES	S3VEM
Endosulfan I	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Dieldrin	Spike	0.10	U	ug/L	0.064	JB	1.0	YES	S3VEM
4,4'-DDE	Spike	0.10	U	ug/L	0.057	JB	1.0	YES	S3VEM
Endrin	Spike	0.10	U	ug/L	0.073	JB	1.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.0039	JPB	1.0	YES	S3VEM
4,4'-DDD	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endosulfan sulfate	Spike	0.10	U	ug/L	0.052	JB	1.0	YES	S3VEM
4,4'-DDT	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Endrin ketone	Target	0.10	U	ug/L	0.10	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.10	U	ug/L	0.0018	JPB	1.0	YES	S3VEM
cis-Chlordane	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
trans-Chlordane	Spike	0.029	J	ug/L	0.029	J	1.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Sample Number: SBLK38	Method: Semivolatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,4-Dioxane	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Benzaldehyde	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Bis(2-Chloroethyl) ether	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2-Chlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,2'-Oxybis(1-chloropropane)	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acetophenone	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
3-Methylphenol + 4-Methylphenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
N-Nitroso-di-n propylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachloroethane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Nitrobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Isophorone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitrophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dimethylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
bis(2-Chloroethoxy)methane	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Naphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chloroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Hexachlorobutadiene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Caprolactam	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Chloro-3-methylphenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Methylnaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorocyclo-pentadiene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
2,4,6-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4,5-Trichlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,1'-Biphenyl	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Chloronaphthalene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2-Nitroaniline	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dimethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,6-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Acenaphthylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Acenaphthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4-Nitrophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Dibenzofuran	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,4-Dinitrotoluene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Diethylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluorene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Chlorophenyl-phenyl ether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Nitroaniline	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
4,6-Dinitro-2-methylphenol	Target	10	UJ	ug/L	10	U	1.0	YES	S3VEM
N-Nitrosodiphenylamine	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
1,2,4,5-Tetrachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
4-Bromophenyl-phenylether	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Hexachlorobenzene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Atrazine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pentachlorophenol	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Phenanthrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbazole	Target	10	U	ug/L	10	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

GroupID: 48371/EPW14035/BFHX6

Lab Name: Shealy Environmental Services, Inc.

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Di-n-butylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Fluoranthene	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Butylbenzylphthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
3,3'-Dichlorobenzidine	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(a)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Chrysene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
bis(2-Ethylhexyl)phthalate	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Di-n-octylphthalate	Target	10	U	ug/L	10	U	1.0	YES	S3VEM
Benzo(b)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(k)fluoranthene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(a)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Indeno(1,2,3-cd)pyrene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibenzo(a,h)anthracene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Benzo(g,h,i)perylene	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
2,3,4,6-Tetrachlorophenol	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: PIERSON'S CREEK Project

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Lab Name: Shealy Environmental Services, Inc.